EXHIBIT A

EPS

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INVENTION DISCLOSURE

PAGE ONE OF 11

PDNO 10018095 DATE RCVD 6/22/01 ATTORNEY THD

*Instructions: The information contained in this document is **COMPANY CONFIDENTIAL** and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.*

Descriptive Title of Invention:
Method to eliminate user setup for installation of broadband modems, routers and integrated modem-routers.

Name of Project:
Digital Home Network Solutions

Product Name or Number:
Not yet assigned

Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s):
NO

Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s):
NO

If any of the above situations will occur within 3 months, call your IP attorney or the Legal Department now at 1-898-4919 or 970-898-4919.

Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.)
NO

Was the invention built or tested? If so, the date:
NO

Was this invention made under a government contract? If so, the agency and contract number:
NO

Description of Invention: *Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).*

A. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)
B. Advantages of the invention over what has been done before.
C. Problems solved by the invention.
D. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).

Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date:

Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
49310	Wolfgang Baltes	Wolfgang Baltes	857-4470	Bldg 4L, ms1601	EPS/HNS
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Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name

(If more than four inventors, include additional information on another copy of this form and attach to this document)

EXHIBIT 'B'

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INVENTION DISCLOSURE COMPANY CONFIDENTIAL PAGE ____ OF ____

Signature of Witness(es): *(Please try to obtain the signature of the person(s) to whom invention was first disclosed.)*

The invention was first explained to, and understood by, me (us) on this date:

Full Name | Signature

Georges Wanneau

Full Name | Signature

Inventor & Home Address Information: *(If more than four inventors, include addl. information on a copy of this form & attach to this document)*

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Greeted as *(nickname, middle name, etc.)* | Citizenship

EXHIBIT 'C'

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Description of Invention: *Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).*

A. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)

To access the internet, broadband modems, routers and modem-router combination products – hereafter called customer premises network equipment or "CPNE" - require being setup with connection specific information, such as IP address, user authentication information, etc. The type of information is specific to each internet access service provider ("IASP") because each uses the modem protocol in different ways. The setup information also includes parts, which are specific to each individual customer, such as login name and password. Today the setup required for such products is cumbersome and causes customer frustration. Often, setup is not done properly and fails.

The invention consists of using a "dial-up modem" to retrieve configuration information from a central server. This information can then be used to configure the CPNE, such eliminating the need for manual setup by the user.

The invention consists in the interaction between several pieces of the solution: a) the dial-up modem which can be part of a PC or integrated into the modem, router or modem-router combination product; b) a central server which the dial-up modem can communicate with; and c) links between the central server and database servers located at service provider premises.

Upon connection of the CPNE to the broadband cable (which can be either coax cable or a phone line for xDSL service), a phone line and power, the built-in modem automatically dials the phone number of the central server. This server can automatically identify the customer through his/her caller-ID. This caller-ID is then used to interrogate databases at different service providers until the consumer's subscription information is located. The information required for setting up the CPNE is then transferred from the database servers to the central server, and from there to the CPNE, which in turn uses it to configure itself.

In some cases a modem built-in into the CPNE is not available. In such cases the same scheme applies to a modem hosted by a PC. In this case a special application program on the PC controls the process.

B. Advantages of the invention over what has been done before.

C. Problems solved by the invention.

D. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).